REMARKS/ARGUMENTS

This is in response to an Office action dated 08/11/2006 having a statutory period of response set to expire on November 11, 2006.

Status

Claims 22-42 are pending

Claims 22-24, 26 and 33-36 are rejected

Claims 27-32 are allowed

Claims 25 and 37-42 are objected

Claim Rejections under 35 USC § 102

Claims 22-24, 26 and 33-36, are rejected under 35 U.S.C. 102(b) as being anticipated by Katzenstein (US Patent 5,245,332).

Regarding claim 22, Katzenstein discloses an RE transponder comprising an antenna system characterized by:

a programmable load (see abstract) connected to the antenna system for transmission modulation (see col.12 lines 1-2).

Regarding claim 23, Katzenstein discloses a plurality of first output stage transistors (see 72, 76, 78 fig.4) connected to a first terminal (see 81, fig.4) of the antenna system;

a corresponding plurality of second output stage transistors (see 72, 76, 78, fig.4) connected to a second terminal (see 83, fig.4) of the antenna system; and

control logic for determining which ones of the first output stage transistors and which ones of the second output stage transistors are used to modulate the antenna system (see col.8 lines 45-59).

Regarding claim 24, Katzenstein discloses an EEPROM storing programmed settings for

driving the control logic (see col.13 lines 15-16).

Regarding claim 26, Katzenstein discloses a gate for disconnecting modulation of the antenna system in response to a reset signal (see col.10 lines 64).

Regarding claim 33, Katzenstein discloses an RF transponder comprising:

an antenna system (see 22, fig.4); and

circuitry for applying modulation to an RF signal received by the antenna system characterized by:

a modulation load connected to the antenna system (see col.12 lines 1-2);

a control logic for controlling the modulation load (see 84, fig.4);

a first gate providing a control signal to the control logic, wherein the first gate logically combines a system clock signal and data stream (see col.8 lines 21-31);

a sync delay circuit for delaying the system clock signal in order to synchronize the system clock signal with the data stream (see col.8 lines 1-20).

Regarding claim 34, Katzenstein discloses a second gate interposed between the first gate and the control logic for disconnecting modulation of the antenna system in response to a reset signal (see col.10 lines 64).

Regarding claim 35, Katzenstein discloses a method for controlling RF signal modulation in a passive transponder (see col.11 lines 55-56) which comprises an antenna system (see 22, fig.4), circuitry for applying modulation (see col.12 lines 1-2) to an RE signal received by the antenna system, and circuitry for deriving transponder power from the received RF signal, characterized by:

providing a modulation load connected to the antenna system and modulated under control of a control signal formed by logically combing a system clock signal and a data stream (see col.8 lines 1-45); and

delaying the system clock signal in order to synchronize the system clock signal with the data stream (see col.8 lines 1-45).

Regarding claim 36, Katzenstein discloses forming a phase-shift key type of control signal, for producing phase-shift keyed modulation of the RF signal received by the antenna system (see col.8 lines 1-20).

Allowable Subject Matter

Claims 27-32 are allowed.

Claims 25 and 37-42, were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 22 has been cancelled.
Claim 25 has been rewritten in independent form including all of the limitations of the base claim and any intervening claims. Accordingly claim 25 should be deemed allowable.
Claim 23 has been amended to depend upon claim 25 and should also be allowable.
Claim 24 depends upon claim 23 and should also be allowable.
Claim 26 depends upon claim 25 and should also be allowable
Claims 33-36 are cancelled.
Claim 37 has been rewritten in independent form including all of the limitations of the base claim and any intervening claims. Accordingly claim 37 should be deemed allowable.
Claim 38 depends upon claim 37 and should also be allowable.
Claim 39 has been rewritten in independent form including all of the limitations of the base claim and any intervening claims. Accordingly claim 39 should be deemed allowable.
Claim 40 depends upon claim 39 and should also be allowable.
Claim 41 has been rewritten in independent form including all of the limitations of the base claim and any intervening claims. Accordingly claim 41 should be deemed allowable.
Claim 42 depends upon claim 41 and should also be allowable.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

If any matter still needs to be resolved, the Examiner is invited to contact the undersigned.

Respectfully submitted,

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I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office (Fax No. 571-273-8300) on November 10, 2006.

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